

Pressure and Wind Data



For the Portland International Airport (Oct 1940 through 2019)

Strongest Sustained Wind Speed	South at 88 mph	12 Oct 1962
Strongest Wind Gust	South at 104 mph <i>Wind equipment failed after that gust.</i>	12 Oct 1962
<i>Highest Barometric Pressure</i>	30.90 inches	1 Feb 1982
<i>Lowest Barometric Pressure</i>	28.71 inches	12 Dec 1995

For the Downtown Portland Area (1872 to 2019)

Strongest Wind Gust in Portland **South at 116 mph** 12 Oct 1962
Gust was recorded on Morrison Street Bridge.

<i>Lowest Barometric Pressure</i>	28.56 inches	9 Jan 1880
<i>Highest Barometric Pressure</i>	30.84 inches	2 Feb 1880

Monthly Normal and Extreme Sea Level Barometric Pressure Values

Portland AIRPORT			Period: Oct. 1940 to Dec 2019			
PDX	Normal		highest		lowest	
	inches	millibars	Reading	Date	Reading	Date
January	30.09	<i>1018.1</i>	30.81"	28 Jan 1949	28.85"	4 Jan 2008
February	30.05	<i>1016.6</i>	30.90"	1 Feb 1982	28.92"	24 Feb 1958
March	30.06	<i>1015.2</i>	30.70"	5 Mar 1955	29.05"	27 Mar 1963 5 Mar 1961
April	30.05	<i>1016.7</i>	30.65"	14 Apr 1999 3 Apr 1973	29.12"	2 Apr 1958
May	30.03	<i>1016.2</i>	30.54"	1 May 2013 5 May 2012 3 May 2011 2 May 2001 19 May 1941	29.42"	18 May 2005
June	30.04	<i>1016.1</i>	30.46"	20 Jun 1960	29.53"	4 Jun 1984
July	30.05	<i>1016.2</i>	30.41"	13 Jul 1944	29.59"	8 Jul 1974
August	30.02	<i>1015.2</i>	30.37"	8 Aug 2002	29.44"	28 Aug 1951
September	30.02	<i>1015.5</i>	30.44"	19 Sept 1983 22 Sept 1964 26 Sept 1945	29.36"	24 Sept 1986
October	30.08	<i>1017.2</i>	30.62"	23 Oct 2017 31 Oct 1999 21 Oct 1953	28.84"	12 Oct 1962
November	30.07	<i>1017.2</i>	30.71"	30 Nov 2011 12 Nov 2010	29.04"	13, 14 Nov 1981 16 Nov 1942
December	30.12	<i>1018.4</i>	30.83"	30 Dec 2014	28.71"	12 Dec 1995
ALL Time	30.06	---	30.90"	1 Feb 1982	28.71"	12 Dec 1995

Portland DOWNTOWN			Period: Jan. 1871 to August 1931			
CITY	averages ¹		highest		lowest	
	inches	millibars	Reading	Year	Reading	Year
January	n/a	n/a	30.78	1888	28.56	1880
February	n/a	n/a	30.84	1880	29.04	1923
March	n/a	n/a	30.61	1880, 1896	28.93	1904
April	n/a	n/a	30.62	1873	29.30	1928
May	n/a	n/a	30.59	1931	29.27	1906
June	n/a	n/a	30.51	1895	29.37	1907
July	n/a	n/a	30.41	1875	29.54	1889
August	n/a	n/a	30.39	1876	29.64	1920
September	n/a	n/a	30.43	1889	29.35	1920
October	n/a	n/a	30.62	1879	29.18	1900
November	n/a	n/a	30.74	1928	29.03	1871
December	n/a	n/a	30.79	1879	29.06	1894
Annually	n/a		30.84	2 Feb 1880	28.56	Jan 1880

Monthly Normal and Extreme Wind Data

Portland International Airport							Jan 1950 to Dec 2019			
	1981-2010 normal		Windiest Month		Highest Sustained ²			Highest Gust ^{2,3}		
	dir.	mph	avg.	year	dir.	mph	date	dir.	mph	year
	January	E (120°)	9.4	15.1	1995	S	54	15 Jan 1951	S	70
February	E (120°)	8.7	12.2	1993	SW	61	24 Feb 1958	S	76	28 Feb 1955
March	E (110°)	7.7	10.9	1956	S	57	27 Mar 1963	S	71	26 Mar 1971
April	NW (320°)	7.1	9.2	1981 ⁴	S	60	14 Apr 1957	S	73	14 Apr 1973
May	NW (320°)	6.8	8.6	1974	SW	42	23 May 1960	SW	51	30 May 1956
June	NW (330°)	7.0	9.2	1974	SW	40	5 Jun 1958	S	55	5 Jun 1958
July	NW (330°)	7.3	8.8	1962	SW	33	19 Jul 1983	E	43	9 Jul 2009
August	NW (330°)	6.9	8.7	1966	SW	29	31 Aug 1961 ⁴	S	43	29 Aug 2015
September	NW (320°)	6.2	8.0	1961	S	61	9 Sep 1963	S	66	9 Sep 1963
October	E (120°)	6.3	8.4	1975	S	88	12 Oct 1962	S	104 ²	12 Oct 1962
November	E (120°)	8.0	11.2	1979	SW	56	21 Nov 1961	S	71	14 Nov 1981
December	SE (130°)	9.3	12.9	1977	S	57	4 Dec 1951	S	74 ³	12 Dec 1995
For the Year	NW (320°) 7.6	8.9	1995, 1981 1975	South 88 mph	12 October 1962	South 104² mph	12 October 1962			

¹Sustained wind listed as the fastest mile speed in a minute, while gusts are instantaneous, usually 2 seconds.²Gust of 104 mph is estimated. Official gust of 86 mph just as wind equipment lost power. On site weather observer using nearby anemometer estimated gust of 104 mph occurring about 1 hour after power failure at NWS office on Marine Drive. An official gust of 116 mph was measured in Portland on the Morrison Bridge. KGW (downtown Portland) measure 93 mph.³Gust of 62 mph was measured by ASOS during the 12 Dec 1995 storm. Unofficial 74 mph gust measured by an onsite anemometer. Previous record (2nd strongest gust in December) is South at 72 mph on 17 December 1957.**Top 5 Windiest Months and Years**
(1950-2019 hourly data, with speed in miles per hour)

<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>
15.1 1995	12.2 1993	10.9 1956	9.2 1981	8.6 1974	9.2 1974
13.5 1993	12.1 1999	10.2 1989	9.2 1958	8.5 1963	8.7 1979
12.7 1961	12.1 1989	10.2 1967	8.9 1993	8.4 1975	8.5 1977
12.2 1973	11.5 1982	10.1 1995	8.9 1959	8.4 1965	8.5 1975
12.0 1974	11.3 1990	9.8 1975	8.7 1982	8.2 1978	8.5 1962
<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>	<u>November</u>	<u>December</u>
8.8 1962	8.7 1966	8.0 1961	8.4 2016	11.2 1979	12.9 1977
8.8 1957	8.3 1975	7.9 1971	8.4 1975	11.0 1963	12.0 2010
8.7 1981	8.2 1994	7.8 1979	8.3 1957	10.7 1977	11.9 2005
8.7 1967	8.1 1963	7.8 1975	8.3 1956	10.4 1983	11.9 1972
8.6 1961	8.0 1981 ⁴	7.7 1981	8.0 1982 ⁴	10.4 1982 ⁴	11.8 1968 ⁴

Top 5 Windiest Years

8.9 mph	1995
8.9	1981
8.9	1979
8.9	1975
8.7	1977

Top 5 Least Windy Years

6.2 mph	2011
6.3	2015
6.3	1952
6.5	2007
6.5	1951

⁴last of several occurrences

Frequency¹ of Wind DIRECTION, based on Time of Day

How to use this table: For July, the wind at 1300 LST (1 pm) is from the NW about 22.5% of the time. Using the table from the next page, the average wind from the NW at that time is 7.7 knots, or 9 mph.

	L S T	Wind Direction																
		calm	N 349° to 11°	NNE 11° to 34°	NE 34° to 56°	ENE 56° to 79°	E 79° to 101°	ESE 101° to 124°	SE 124° to 146°	SSE 146° to 169°	S 169° to 191°	SSW 191° to 214°	SW 214° to 236°	WSW 236° to 259°	W 259° to 281°	WNW 281° to 304°	NW 304° to 326°	NNW 326° to 349°
J	07	12.4	1.3	0.6	1.4	2.5	7.8	23.4	12.6	4.3	8.0	8.2	3.8	2.1	2.7	3.4	2.9	2.2
A	13	4.8	1.9	0.8	1.4	1.9	9.3	22.9	12.2	3.5	7.1	10.7	5.4	3.3	3.8	5.4	3.8	2.1
N	19	9.1	0.8	0.4	0.8	2.0	8.3	31.4	14.5	3.4	7.5	7.9	4.3	1.9	2.3	2.3	1.9	1.2
F	07	16.4	1.1	1.1	1.0	1.9	5.7	22.0	11.6	4.6	8.6	9.2	4.1	2.0	3.2	3.7	3.1	1.3
E	13	4.1	2.3	1.0	1.7	2.9	7.8	18.1	11.1	2.8	7.2	11.4	5.6	3.4	5.3	6.5	5.6	3.1
B	19	10.2	1.8	0.6	0.8	1.6	7.1	25.6	14.2	3.9	7.8	7.7	3.3	2.8	3.2	4.6	3.0	2.0
M	07	19.4	1.3	0.3	.07	1.3	4.7	17.8	8.5	3.9	10.2	11.1	4.1	3.2	4.3	4.3	3.4	2.2
A	13	2.9	4.3	2.3	1.6	4.5	6.7	9.1	4.7	1.7	9.0	11.3	7.3	5.6	5.8	10.6	6.8	5.2
R	19	8.5	3.2	1.2	1.0	2.8	6.5	15.0	7.1	4.2	7.4	7.5	3.8	4.7	5.3	7.5	8.1	5.8
A	07	18.9	2.0	0.6	1.0	1.3	3.1	13.0	6.8	4.8	10.1	10.1	3.3	2.8	4.9	7.4	7.0	3.0
P	13	3.3	5.8	2.9	3.6	2.8	5.2	5.0	2.4	1.8	7.7	10.0	7.4	7.3	6.3	12.5	8.8	7.0
R	19	6.0	5.1	1.0	1.4	3.2	5.7	6.7	3.5	2.1	5.9	5.1	4.5	4.9	5.8	10.4	16.2	12.1
M	07	16.5	4.2	1.5	1.0	1.6	4.1	5.7	4.5	4.3	8.9	8.5	4.5	2.8	3.8	8.8	11.9	7.8
A	13	2.0	6.5	3.3	3.4	3.2	4.5	2.5	2.1	1.9	5.3	6.6	5.8	5.8	6.8	16.1	15.6	9.1
Y	19	3.7	8.0	1.9	1.4	2.1	3.5	4.7	1.5	1.5	3.4	2.5	3.2	3.7	5.5	10.6	21.7	21.3
J	07	16.4	9.2	2.1	2.3	2.1	2.7	4.5	3.0	3.6	7.8	7.3	3.8	1.8	2.7	5.2	12.2	12.6
U	13	1.8	7.3	3.9	3.1	3.0	2.3	1.7	1.0	1.4	4.6	6.0	3.8	5.1	7.7	17.2	18.8	11.8
N	19	3.2	9.9	1.3	0.6	1.0	2.4	2.3	0.8	1.1	2.8	2.8	2.1	2.7	4.9	10.8	25.5	25.5
J	07	10.6	12.9	4.2	2.5	2.1	2.0	3.2	2.1	3.0	4.5	3.2	1.6	2.1	3.1	8.0	16.1	18.7
U	13	1.7	7.9	3.6	2.5	2.5	1.8	0.9	0.5	0.8	2.5	2.3	2.3	3.4	7.6	22.5	22.5	15.5
L	19	1.2	9.9	1.3	0.5	0.8	1.4	1.0	0.8	0.4	1.4	0.9	1.0	1.9	2.9	7.5	31.3	36.6
A	07	15.0	9.6	3.8	2.4	1.2	2.6	4.4	5.4	4.4	5.9	3.8	2.5	1.9	3.2	6.3	13.9	13.9
U	13	1.5	7.5	2.9	2.7	2.3	2.2	1.0	0.8	1.2	3.2	3.1	2.3	2.9	7.7	23.4	23.4	12.0
G	19	1.6	8.5	1.1	0.9	1.4	1.4	1.8	1.2	0.6	1.5	1.4	1.4	1.2	3.6	8.2	29.6	34.5
S	07	18.8	4.4	2.4	1.1	0.9	2.1	8.2	8.0	5.7	7.0	5.2	4.5	3.1	6.5	8.4	8.0	5.8
E	13	2.6	7.1	3.4	2.6	3.0	6.7	3.7	1.9	1.9	4.0	5.3	4.0	4.5	7.2	16.6	15.7	9.7
P	19	6.5	5.2	1.6	1.3	2.0	5.5	6.8	2.7	1.6	3.1	2.3	2.1	3.1	5.7	11.6	21.1	18.0
O	07	19.8	2.7	1.9	1.2	1.2	2.5	12.5	10.5	5.4	8.7	6.1	4.0	4.2	4.9	6.5	5.4	2.6
C	13	5.6	4.3	2.3	2.2	2.2	6.2	9.3	4.7	2.1	8.6	7.8	4.7	4.1	6.7	11.0	11.2	6.7
T	19	14.8	2.0	0.3	1.0	2.1	5.8	13.9	9.0	3.8	4.7	4.8	3.2	3.9	6.0	9.8	9.4	5.3
N	07	13.2	1.5	0.9	1.3	1.4	3.8	18.2	13.3	6.0	9.6	8.4	4.2	3.5	4.8	4.9	3.8	1.3
O	13	5.7	1.9	1.2	1.0	2.1	6.0	17.7	10.4	2.9	10.8	9.9	5.5	3.0	5.1	7.7	5.6	3.6
V	19	12.2	1.0	0.6	0.6	0.9	5.7	24.8	14.0	4.9	8.0	8.3	4.0	2.7	3.7	3.1	4.0	1.7
D	07	12.7	1.6	1.0	0.9	1.5	6.0	23.6	13.9	4.8	8.9	7.8	4.7	2.7	3.6	3.3	1.8	1.6
E	13	5.1	2.1	1.1	1.2	2.2	6.7	22.2	12.6	2.9	7.4	11.2	5.1	3.6	3.2	5.6	5.0	2.9
C	19	9.5	0.8	0.9	0.8	1.2	7.0	28.5	16.3	3.6	6.9	8.8	3.6	2.5	2.8	2.7	2.8	1.8

¹Data based on hourly observations between 1948 and 1995. Values may not equal 100% due to rounding.

Frequency¹ of Wind SPEED, based on Time of Day

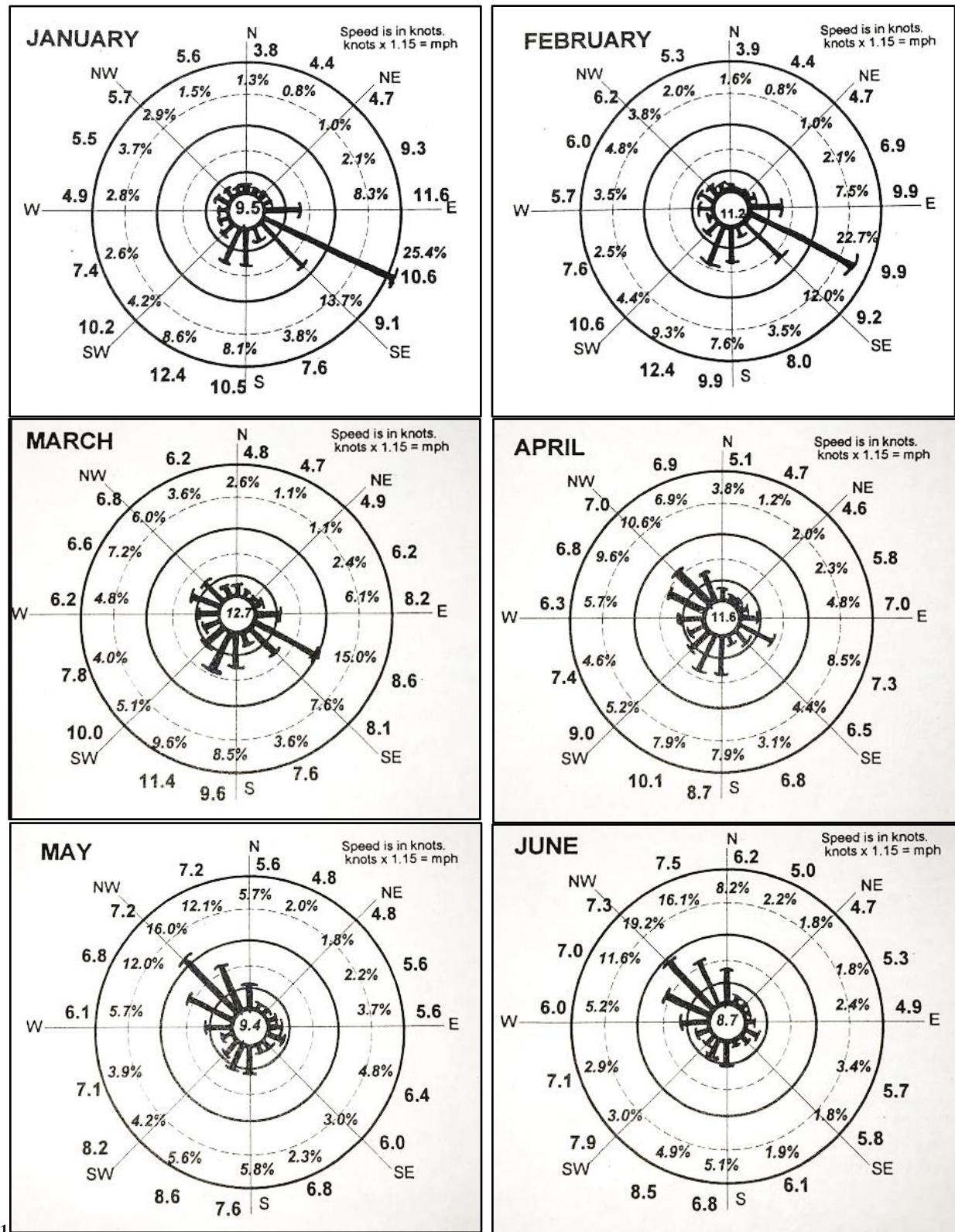
How to use this table: In May, at 1900 (7 pm local), if wind is from NW, the average speed is 9.3 kt (~11 mph). In December, at 1300 (1 pm local), if the wind is from the East (E), the average speed is 12.7 kts (~15 mph).

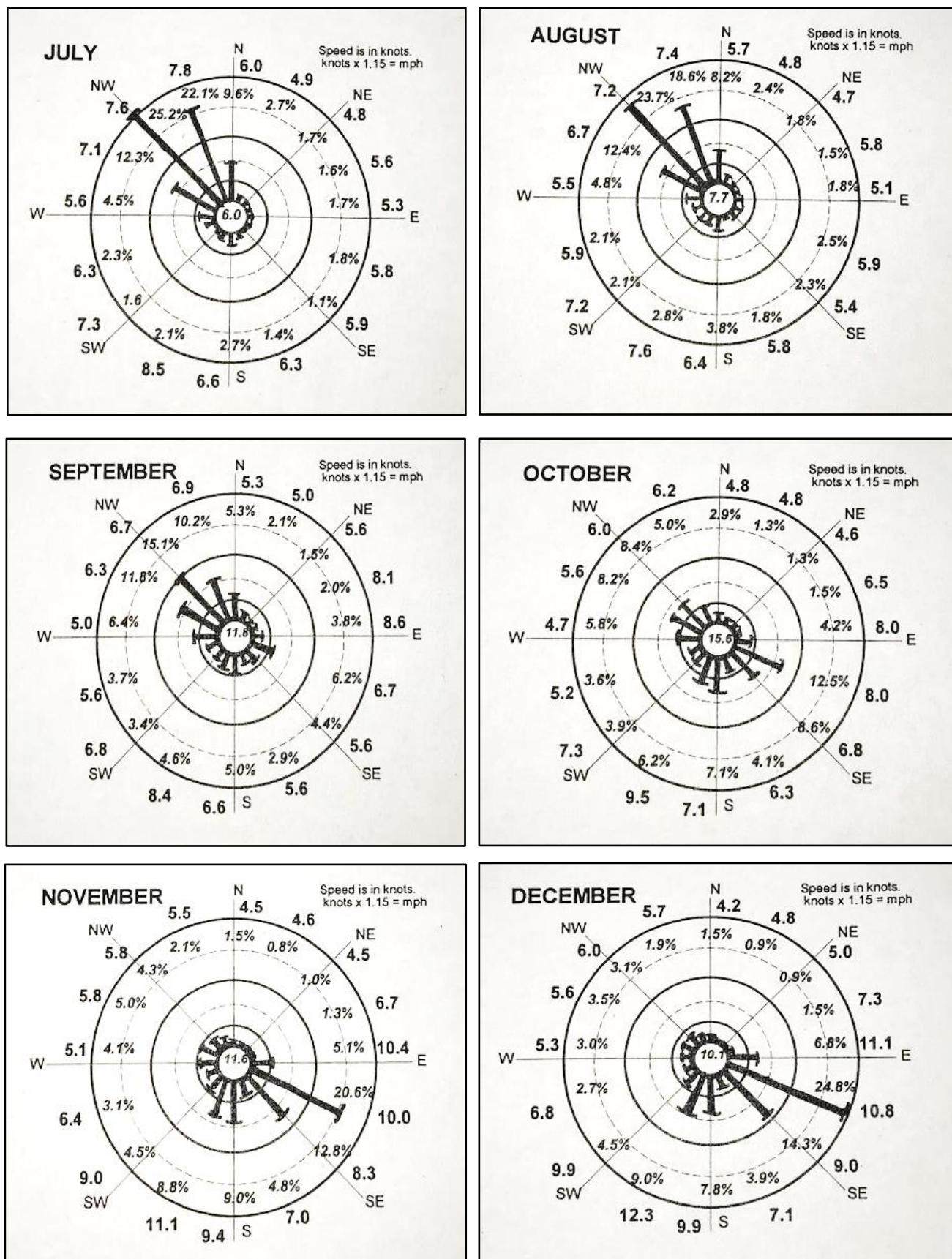
	L S T	Wind Speed (in knots) [speed in mph = 1.15 x knots]															
		N 349° to 11°	NNE 11° to 34°	NE 34° to 56°	ENE 56° to 79°	E 79° to 101°	ESE 101° to 124°	SE 124° to 146°	SSE 146° to 169°	S 169° to 191°	SSW 191° to 214°	SW 214° to 236°	WSW 236° to 259°	W 259° to 281°	WNW 281° to 304°	NW 304° to 326°	NNW 326° to 349°
J	07	4.2	5.0	4.9	7.8	11.4	10.2	9.0	7.7	9.4	12.4	9.3	5.2	3.7	5.6	5.3	5.3
A	13	3.6	5.1	4.6	12.3	12.1	11.6	10.2	7.8	11.7	13.2	11.4	9.7	6.1	6.0	5.7	5.5
N	19	3.9	4.3	4.5	9.6	11.0	10.1	9.1	8.8	10.0	12.5	10.1	7.3	4.6	5.2	5.6	5.8
F	07	3.9	3.6	3.8	6.1	9.5	9.5	8.4	7.4	8.8	12.5	9.9	6.3	4.6	5.2	4.9	3.9
E	13	4.4	5.0	6.0	7.4	11.4	11.9	10.4	9.4	10.8	13.5	12.0	9.0	6.5	6.3	6.7	4.8
B	19	3.8	5.0	4.9	8.5	10.5	10.3	9.0	7.1	9.5	11.8	10.3	8.3	5.6	6.2	7.3	6.6
M	07	3.6	4.2	3.8	5.1	6.9	8.3	7.2	6.4	8.7	10.5	8.2	5.3	4.5	4.9	5.9	5.3
A	13	4.8	4.6	5.4	7.0	10.4	10.5	11.1	10.8	10.9	13.1	11.2	9.9	7.7	7.7	7.3	6.1
R	19	6.3	4.5	5.9	5.8	8.1	8.7	8.3	7.7	9.1	10.7	10.6	7.7	6.5	7.0	7.6	6.7
A	07	4.0	4.4	3.5	4.4	5.7	6.9	6.0	5.8	8.0	9.1	8.2	5.8	4.7	5.2	5.5	5.4
P	13	4.8	5.1	5.0	7.0	9.6	9.5	8.0	8.5	10.7	11.5	10.3	8.3	7.9	7.9	7.3	7.0
R	19	6.6	5.1	4.5	5.6	7.0	7.6	7.3	7.4	8.7	9.7	8.7	8.5	6.6	7.0	8.7	8.7
M	07	3.9	4.1	3.8	4.1	4.6	6.6	5.8	6.3	6.8	8.0	7.4	5.6	4.4	5.1	5.6	5.5
A	13	5.3	5.0	4.9	6.7	7.7	8.2	6.5	7.7	9.2	9.6	9.1	7.7	7.2	7.7	7.2	6.8
Y	19	7.9	5.6	5.9	6.8	5.9	6.8	7.1	7.3	7.5	9.5	7.8	7.7	7.5	8.0	9.3	9.2
J	07	4.8	4.6	4.2	4.2	3.8	5.3	5.9	5.6	6.5	8.1	7.6	5.0	4.0	4.9	6.0	6.0
U	13	6.0	5.1	5.2	6.4	6.3	6.6	6.7	6.1	8.2	9.5	9.2	7.7	7.3	7.6	7.4	7.1
N	19	9.0	6.5	5.0	5.8	4.9	6.5	7.3	7.8	7.4	8.4	7.8	9.0	7.1	7.9	9.5	9.8
J	07	5.3	4.4	4.3	4.0	4.1	5.8	6.3	6.3	5.9	6.8	6.5	4.3	4.2	5.0	5.5	5.8
U	13	5.9	5.3	5.3	6.8	7.5	7.5	5.4	7.1	8.6	9.3	8.3	7.3	7.1	8.1	7.7	7.4
L	19	8.9	5.9	5.7	6.7	5.6	6.3	6.9	6.2	7.3	10.9	9.0	7.3	6.5	8.7	10.2	10.3
A	07	4.6	4.4	4.3	3.9	3.6	5.5	5.4	5.4	5.8	6.8	5.6	4.2	4.1	4.8	5.5	5.6
U	13	5.8	5.2	5.4	6.9	8.0	7.4	5.5	7.5	8.0	9.3	8.9	7.7	6.8	7.7	7.5	6.5
G	19	8.0	7.3	5.0	5.9	4.9	7.7	6.4	8.2	6.0	8.1	8.3	8.0	6.2	7.8	9.5	9.6
S	07	4.5	4.2	4.8	5.2	5.1	5.6	5.0	5.3	5.5	7.0	5.0	4.1	4.2	5.2	5.7	5.2
E	13	5.5	5.3	6.5	10.4	11.6	8.8	6.6	6.6	9.7	9.6	9.2	6.8	6.8	7.6	6.8	6.5
P	19	7.7	6.7	6.2	6.7	6.8	6.6	6.8	5.1	7.0	9.9	8.4	6.7	5.1	6.7	7.7	8.6
O	07	4.3	4.5	4.2	4.4	6.2	7.4	6.3	5.2	7.0	8.4	6.2	4.0	4.0	4.7	5.1	6.0
C	13	4.6	4.9	5.2	8.2	10.8	10.5	9.0	7.9	9.6	10.6	8.8	7.1	5.6	6.6	6.1	5.9
T	19	5.1	4.8	4.4	5.7	6.9	7.4	6.5	7.1	7.5	9.4	7.8	4.8	4.7	5.9	6.6	7.5
N	07	4.0	4.7	4.3	6.0	10.5	9.7	7.9	6.1	8.9	10.7	7.1	5.4	4.9	5.3	5.9	6.4
O	13	4.7	4.6	5.5	6.8	12.0	11.3	9.9	8.4	10.4	12.0	11.5	9.2	6.6	6.7	6.5	4.7
V	19	4.5	4.3	4.9	8.6	10.3	9.9	8.1	7.8	9.5	11.1	8.2	6.6	4.8	5.8	5.2	6.1
D	07	3.6	4.8	5.5	6.1	10.9	10.8	9.0	6.0	8.9	12.2	9.6	6.4	4.5	5.2	6.1	5.5
E	13	4.5	3.8	5.2	8.0	12.7	11.6	10.0	8.0	10.8	12.7	11.1	7.8	6.5	5.8	6.1	5.8
C	19	4.5	4.2	6.2	8.9	11.2	10.6	9.2	6.9	10.3	12.2	9.0	6.2	4.9	5.6	5.6	4.7

¹Data based on hourly observations between 1948 and 1995.

Portland Wind Roses

A wind rose indicates the percentage of time that the wind is from a particular direction, and the average speed from that direction. Each concentric circle represents a five percent interval, starting from zero at the center and ending with 25 percent at the outer circle. The value shown in the center of the inner circle is the percentage of time that the wind is calm. All speeds are in knots (multiply knots by 1.15 to get mph). Ex: In January, wind is south 8.1% of the time, with an average speed of 10.5 knots, or 12 mph.





Frequency of Portland's Wind Direction¹ as compared to Weather Conditions

Using this chart: Each direction totals ~100%. Within that direction are the frequencies (%) of weather (- indicates less than 1%).

Example: In January, when wind is from the south (S), it rains 16% of the time, but has no weather occurring 66% of time.

	Calm	VRB	N 349° to 11°	NNE 11° to 34°	NE 34° to 56°	ENE 56° to 79°	E 79° to 101°	ESE 101° - 124°	SE 124° - 146°	SSE 146° - 169°	S 169° - 191°	SSW 191° - 214°	SW 214° - 236°	WSW 236° - 259°	W 259° - 281°	WNW 281° - 304°	NW 304° - 326°	NNW 326° - 349°	
	RA	17	16	3	3	7	3	14	21	19	15	16	15	14	21	21	17	12	11
J	RW	4	4	2	3	1	1	2	3	3	6	11	11	6	4	3	3	3	6
A	DZ	3	1	-	1	1	1	1	1	1	1	2	2	2	2	2	1	1	
N	FZRA	1	-	-	-	-	-	1	2	4	-	-	1	1	3	2	1	-	
U	SN	2	1	3	1	1	5	5	8	9	5	2	4	3	4	2	2	3	3
A	TS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
R	FG	23	12	27	23	24	11	10	9	9	8	6	5	10	13	14	18	22	16
Y	MIFG	11	1	1	3	1	2	1	1	1	1	1	-	1	-	1	3	3	2
	None	48	66	61	64	63	74	68	60	59	66	66	69	63	61	57	58	62	
F	RA	11	21	4	6	4	3	15	23	23	19	19	21	16	23	21	15	10	16
E	RW	4	6	2	1	3	2	2	4	5	4	7	10	5	4	4	4	5	5
B	DZ	2	1	1	1	-	-	1	2	2	1	1	-	1	1	1	-	-	1
R	FZRA	-	-	-	-	1	1	-	2	2	1	-	-	-	1	1	-	-	-
U	SN	2	1	1	1	-	-	1	3	4	3	2	2	2	1	1	1	1	2
A	TS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
R	FG	14	4	15	18	13	9	7	8	7	7	4	4	6	8	9	9	10	10
Y	MIFG	8	-	4	1	3	2	3	1	2	1	-	-	1	1	4	3	1	
	None	56	65	69	69	65	79	70	63	59	65	69	64	72	67	67	66	69	60
M	RA	13	22	8	6	6	8	13	27	23	20	18	19	18	22	21	12	9	16
A	RW	5	9	3	3	4	3	2	3	4	7	9	15	8	6	5	5	6	4
R	DZ	1	1	-	-	1	1	-	1	1	-	1	-	1	1	-	1	1	1
C	SN	1	-	1	-	-	1	4	1	1	1	1	2	2	1	1	1	1	1
H	TS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	FG	10	4	8	5	7	5	4	5	5	3	3	2	4	6	7	8	7	6
M	MIFG	6	-	2	2	1	2	1	1	1	1	-	-	1	1	1	1	1	
A	None	62	65	75	79	79	77	76	66	67	70	69	63	69	67	65	73	74	71
P	RA	12	24	4	5	7	6	11	20	17	18	19	17	13	15	14	6	6	8
I	RW	6	7	3	4	2	3	4	4	5	8	10	12	9	6	6	4	4	4
L	DZ	1	1	-	-	-	1	2	1	1	-	1	1	1	1	-	-	1	1
	TS	0	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
L	FG	3	4	4	5	3	2	3	5	3	2	3	2	3	5	4	2	2	2
	MIFG	2	-	-	-	1	-	-	1	1	1	-	1	1	1	1	1	-	-
	None	73	68	84	84	87	88	82	72	74	71	68	70	75	74	76	85	84	84
M	RA	10	20	2	2	4	5	11	17	11	15	16	12	14	19	13	4	4	4
A	RW	5	9	4	4	4	5	5	5	5	8	11	11	9	8	6	4	4	3
Y	DZ	1	2	-	1	1	1	1	1	1	1	1	1	1	1	-	-	-	-
	TS	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-
Y	FG	4	1	2	1	1	1	2	4	1	3	2	2	2	4	3	1	1	1
	MIFG	2	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
	None	79	70	91	91	90	88	80	76	81	75	72	75	75	72	78	89	89	91
J	RA	8	14	2	2	4	5	6	10	10	9	18	15	11	17	11	3	2	2
U	RW	3	10	1	2	3	3	3	4	5	6	10	10	10	7	5	3	2	3
N	DZ	2	1	1	1	1	1	2	1	3	1	2	2	1	2	1	1	1	
E	TS	-	1	-	-	-	-	-	-	1	-	-	1	-	-	-	-	-	
	FG	3	4	1	1	1	2	1	5	3	3	3	2	3	6	3	1	1	1
	MIFG	1	-	-	-	-	-	1	-	-	1	-	-	-	-	-	-	-	-
	None	83	75	93	94	91	90	87	81	83	80	69	72	77	74	80	93	94	94

Example: In December, best threat of snow occurs with a southwesterly to westerly wind (snow averages 3% of all weather observations). A similar trend exists in November, but snow accounts for much less of the observations.

	Calm	VRB	N 349° to 11°	NNE 11° to 34°	NE 34° to 56°	ENE 56° to 79°	E 79° to 101°	ESE 101° - 124°	SE 124° - 146°	SSE 146° - 169°	S 169° - 191°	SSW 191° - 214°	SW 214° - 236°	WSW 236° - 259°	W 259° - 281°	WNW 281° - 304°	NW 304° - 326°	NNW 326° - 349°
J U L Y	RA	4	11	1	1	2	2	2	7	3	5	5	8	6	6	3	1	1
	RW	3	7	1	-	2	3	4	3	4	8	6	6	8	4	2	1	1
	DZ	1	2	1	-	1	-	1	1	1	1	1	1	1	1	-	-	-
	TS	-	1	-	-	-	-	-	-	-	1	1	1	1	-	-	-	-
	FG	2	5	2	3	2	3	2	3	1	-	1	2	1	3	1	1	1
	MIFG	-	-	-	-	-	-	-	-	1	-	-	-	-	1	-	-	-
	None	90	80	95	93	93	92	90	88	89	86	88	85	84	87	94	97	97
A U G U S T	RA	4	7	1	-	1	2	4	7	5	8	7	6	6	9	6	2	1
	RW	3	3	1	2	1	4	2	5	6	7	9	10	5	5	3	1	1
	DZ	1	1	1	-	1	1	1	1	1	-	1	1	-	1	-	-	1
	TS	-	1	-	-	-	-	1	1	-	-	1	-	-	-	-	-	-
	FG	3	4	3	6	6	4	3	4	2	2	3	3	6	1	1	1	2
	MIFG	3	-	-	-	-	-	1	1	1	1	1	-	-	-	-	-	-
	None	85	86	90	90	86	85	84	84	84	81	80	81	85	80	85	94	94
S E P T	RA	3	9	2	3	2	3	4	10	9	9	9	12	9	11	7	3	2
	RW	2	5	1	12	2	2	1	3	2	3	5	7	4	5	2	2	1
	DZ	1	2	1	1	1	1	1	1	1	1	-	1	2	1	1	-	-
	TS	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
	FG	8	7	9	9	8	7	6	7	7	8	5	6	6	6	5	4	4
	MIFG	8	-	1	1	2	1	1	2	3	2	2	1	2	2	2	1	1
	None	67	79	76	77	77	84	81	74	74	77	75	71	76	75	77	83	80
O C T O B E R	RA	6	15	2	4	1	3	8	18	15	11	16	16	14	18	14	7	7
	RW	3	5	1	2	3	1	2	3	3	6	9	8	5	3	3	3	3
	DZ	1	2	1	1	-	1	1	1	1	1	-	1	1	1	1	1	1
	TS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
	FG	19	11	22	27	15	19	10	10	9	9	9	6	10	10	11	9	11
	MIFG	11	1	2	1	3	1	3	2	3	3	2	1	2	2	4	3	3
	None	48	66	61	57	62	67	66	64	64	64	63	67	65	67	64	65	64
N O V E M B E R	RA	10	20	7	10	8	5	12	22	23	18	20	24	17	25	22	14	12
	RW	5	9	1	2	1	4	1	2	3	5	9	10	5	4	4	5	3
	DZ	2	1	2	-	1	1	1	2	1	1	1	1	2	2	1	2	1
	FZRA	-	-	-	-	-	-	1	1	1	-	-	-	1	1	-	-	-
	SN	-	-	-	-	-	-	-	1	-	-	1	1	1	1	1	-	-
	TS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	FG	21	12	29	33	25	20	11	9	13	12	7	7	11	12	14	15	18
D E C E M B E R	MIFG	8	-	5	3	1	1	2	1	2	2	1	-	1	1	2	4	3
	None	50	62	53	51	61	69	71	64	60	63	62	61	68	62	59	60	59
	RA	11	16	5	5	3	4	11	22	24	19	18	20	17	26	22	19	12
	RW	5	6	3	5	3	2	1	2	4	5	9	11	8	4	4	4	5
	DZ	1	1	1	1	2	1	1	2	4	1	1	2	2	2	3	3	2
	FZRA	-	-	-	-	-	-	1	1	-	-	1	1	1	-	-	-	-
	SN	1	1	1	-	1	-	1	2	1	1	2	2	3	3	1	1	-
D E C E M B E R	TS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	FG	22	19	32	25	25	16	9	10	15	11	8	5	10	12	13	18	25
	MIFG	9	-	4	1	2	3	1	1	2	2	1	-	1	1	1	2	3
	None	48	61	52	61	65	74	76	64	56	62	62	63	59	62	56	56	58

¹VRB is variable (less than 3 mph). A - (dash) is value that is near zero. Based on 1948-1995 observational (non-ASOS) data.

Numbers total may not equal 100%, as not all weather was included (such as blowing snow, hail, dust, smoke and haze).

Portland Airport: Observed Weather Type Frequency¹

Portland's hourly observations (1948-1995, pre-ASOS data) were categorized into groups of time. For example, at 10 am in January, snow was observed 4% of the time, with rain 23% of the time, and fog 20% of the time. Overall, at 10 am in January, there was an obstruction to visibility 23% of the time.

FG Fog

RA Rain and/or Drizzle

SN Snow and/or Sleet

TS Thunderstorms

VO Any obstruction to visibility, including rain, fog, snow, smoke, and blowing snow

Hour	VO	FG	RA	SN	TS	VO	FG	RA	SN	TS	VO	FG	RA	SN	TS
January					February					March					
1 am	18	17	24	4	<1	13	11	20	2	-	5	5	20	1	-
4 am	19	18	25	3	-	15	14	22	2	<1	10	9	22	1	-
7 am	21	20	25	3	<1	20	19	23	2	-	17	16	24	1	-
10 am	23	20	23	4	-	22	17	23	1	-	14	9	21	1	-
1 pm	18	14	23	4	-	12	8	23	1	<1	5	3	23	<1	<1
4 pm	16	11	24	3	-	9	6	24	1	-	4	2	23	<1	<1
7 pm	14	11	23	3	-	8	5	22	1	-	4	2	22	<1	-
10 pm	15	14	24	4	-	9	6	20	2	-	4	3	20	1	-
April					May					June					
1 am	3	2	16	-	<1	2	2	11	-	-	2	1	9	-	-
4 am	6	6	18	-	-	4	3	14	-	-	4	3	11	-	<1
7 am	14	11	19	<1	-	9	6	14	-	<1	7	4	12	-	<1
10 am	7	3	16	<1	-	3	1	12	-	-	4	2	9	-	-
1 pm	3	1	18	-	<1	1	<1	12	-	<1	2	1	10	-	<1
4 pm	2	1	17	-	1	1	<1	14	-	<1	1	-	9	-	-
7 pm	2	1	15	-	-	2	1	13	-	<1	2	1	9	-	<1
10 pm	2	1	15	<1	-	2	1	11	-	<1	2	1	8	-	<1
July					August					September					
1 am	1	<1	3	-	<1	2	1	4	-	<1	8	5	6	-	-
4 am	2	1	4	-	<1	4	3	4	-	<1	15	12	7	-	<1
7 am	9	5	5	-	<1	16	10	6	-	<1	32	25	9	-	<1
10 am	4	1	4	-	<1	9	3	5	-	-	21	8	8	-	-
1 pm	2	<1	3	-	-	3	1	5	-	<1	9	1	8	-	<1
4 pm	<1	<1	3	-	-	2	<1	5	-	<1	5	1	8	-	<1
7 pm	<1	<1	3	-	<1	2	<1	4	-	1	5	2	7	-	<1
10 pm	<1	<1	3	-	1	1	<1	4	-	<1	5	2	7	-	<1
October					November					December					
1 am	22	18	11	-	-	21	19	23	1	-	19	18	25	2	<1
4 am	31	29	13	-	-	26	25	27	1	-	21	20	26	2	-
7 am	42	39	14	-	-	28	27	24	<1	<1	22	22	26	2	-
10 am	35	22	15	-	<1	27	22	22	<1	<1	25	22	24	2	<1
1 pm	19	5	13	-	<1	18	10	23	<1	<1	18	14	25	2	-
4 pm	12	3	14	-	<1	15	9	23	<1	-	18	13	27	2	<1
7 pm	12	4	14	-	-	14	9	22	1	-	16	13	26	2	-
10 pm	14	9	12	-	-	17	14	22	1	-	17	15	24	2	-

¹Total percentages may not add to 100% due to rounding.

Also, not all weather listed, such as smoke and freezing rain, hail, blowing snow and blowing dust.

Days with Dense Fog, Thunderstorm and Smoke at Portland

Days per Month with Dense/Heavy Fog and Thunderstorms
(heavy/dense fog is defined as that which horizontal visibility is 1/4 of mile or less)

	Days per Month with Dense Fog ^{1,2}				Consecutive Days with Heavy Fog		Days with Thunderstorms			
	NOR	Most	Year	Least	Year	Most	Dates	NOR	Most	Year
Jan	5	14	2015	0	2016 ³	6	8-13 Jan 1999	0	1	1996 ³
Feb	4	9	1988 ³	0	2012 ³	7	12-18 Feb 1985	0	3	1999
Mar	2	6	1981 ³	0	2018 ³	4	18-21 Mar 1960	1	3	1995 ³
Apr	1	5	1889	0	2019 ³	2	24-25 Apr 1979 ³	1	4	1993 ³
May	< 1	3	1892	0	2019 ³	2	11-12 May 1965	1	6	1936
Jun	0	2	1892	0	2018 ³	1	20 Jun 2005 ³	1	5	1943
Jul	0	1	1966 ³	0	2019 ³	1	9 Jul 1983 ³	1	3	1985
Aug	0	5	1887 ³	0	2019 ³	1	28 Aug 1996 ³	1	4	1979
Sept	2	10	1908 ³	0	2017 ³	4	18-21 Sep 1954 ³	1	6	1940
Oct	6	16	1949	1	2003 ³	10	14-23 Oct 1986	<1	3	1934
Nov	6	18	1976	1	2014 ³	7	18-24 Nov 1976	0	2	2009 ³
Dec	4	17	1976	0	1971 ³	9	11-19 Dec 1980	0	2	1897
Annual	29	63	1976	11	2016	10	14-23 Oct 1986	7	14	1993 ³

¹Period of Record 1871-Dec 2019, NOR are the 30-year climatic normals, 1981-2010.

²Annual total may not equal sum of months due to rounding of monthly values.

³Last year of multiple occurrences listed.

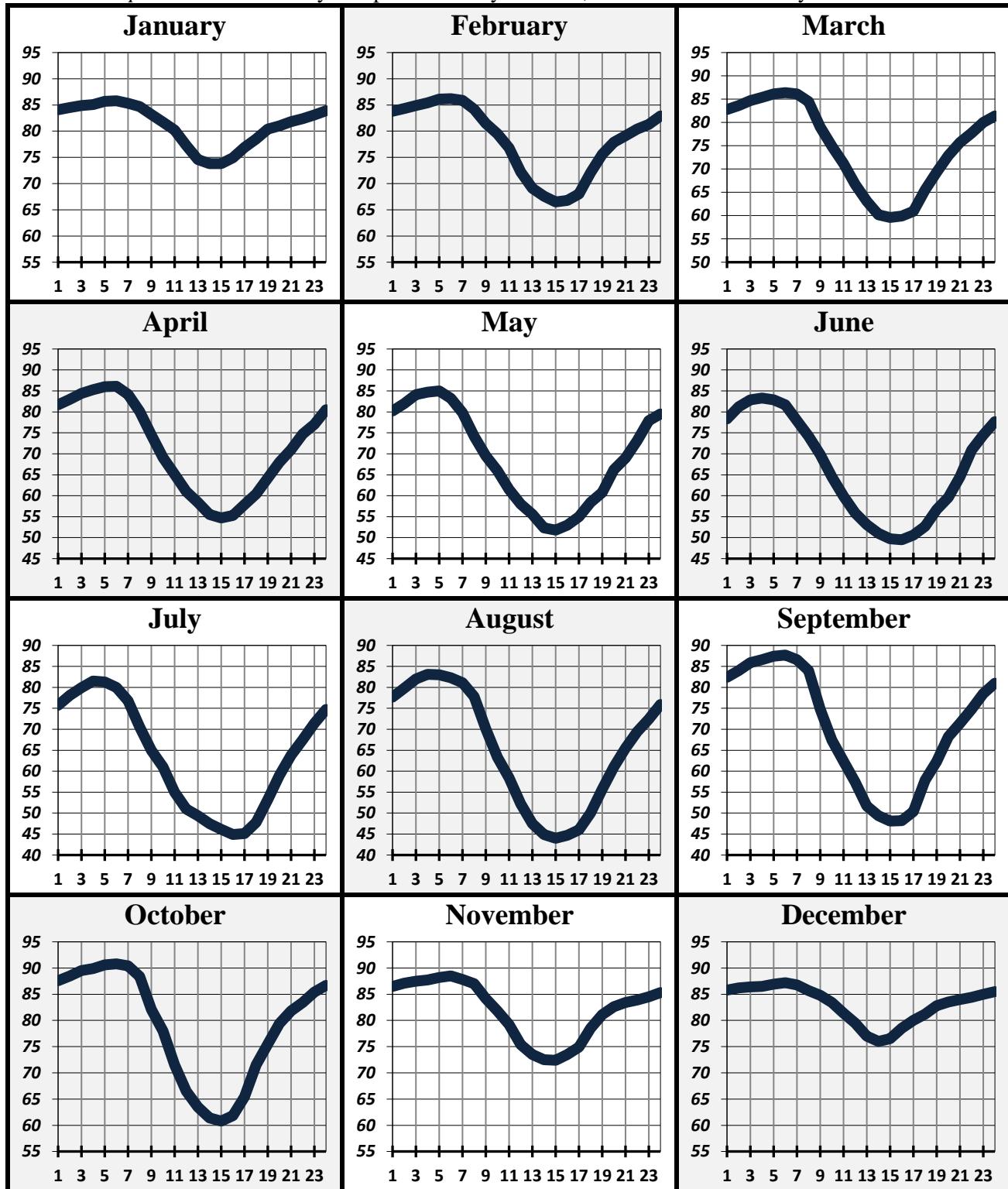
At Airport: Most Consecutive Days⁴ with:

Smoke	11 days	1959	November 28-December 8
	10 days	1986	October 14-23
Dense Fog	11 days	1959	November 28-December 8
	10 days	1986	October 14-23
	9 days	1980	December 11-19
	8 days	1981	October 12-19
	8 days	1949	October 18-25
	7 days	1985	February 12-18
	7 days	1978	November 22-28
	7 days	1976	November 18-24
	6 days	1999	January 8-13
	6 days	1976	December 4-19
	3-4 days		common occurrence during autumn and early winter
Light and/or Dense Fog	35 days	1998-99	December 23-January 26
	32 days	1997-98	December 14-January 14
	23 days	1996	November 6-28
	21 days	1997	October 19-November 11
	20 days	1983	October 13-
	8-10 days		common occurrence during autumn and early winter

⁴Fog only needs to occur on the day, and may not necessarily last the entire day.

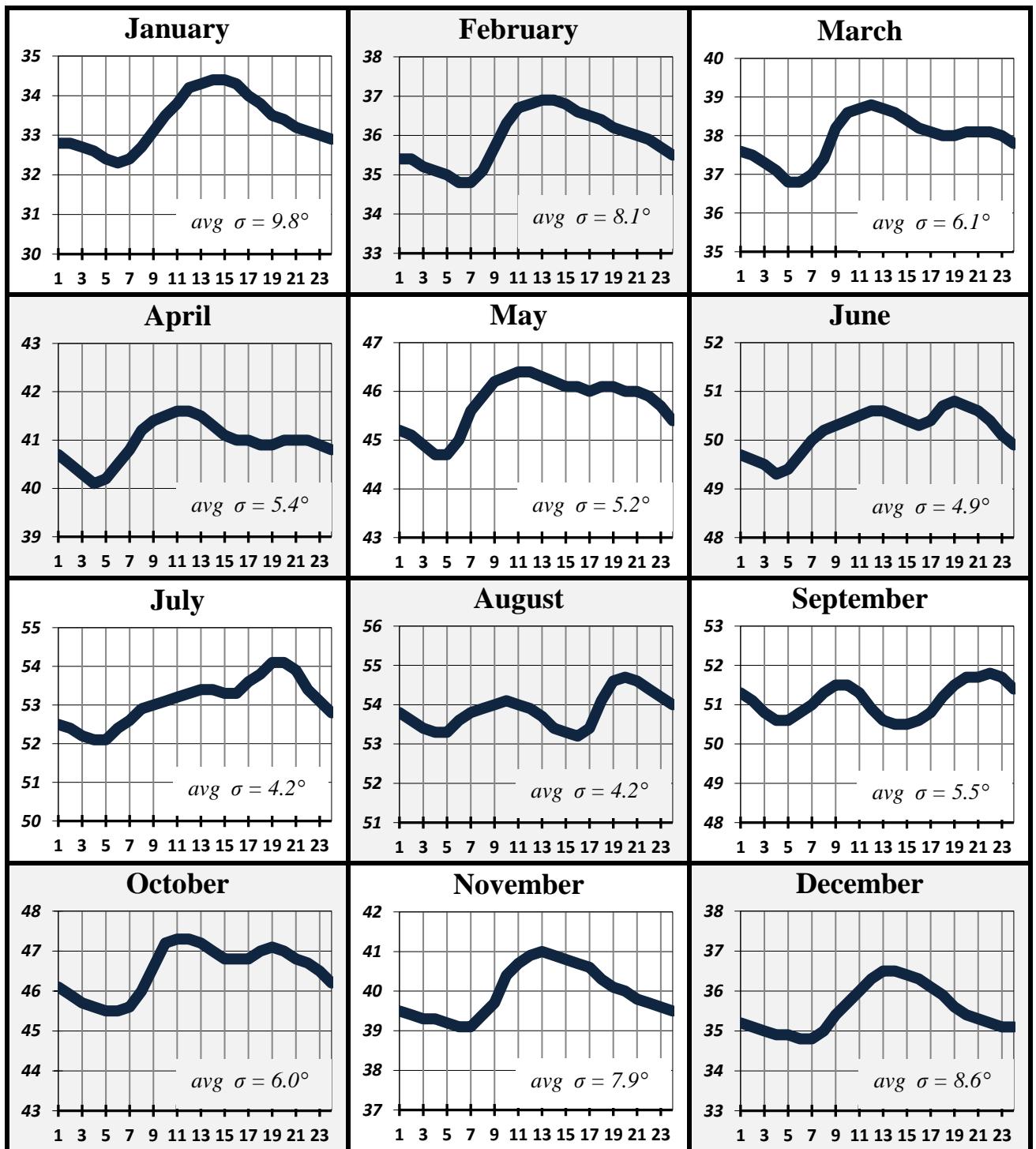
PORLAND: Average Hourly Humidity (%) Curves, by Month¹

Example: normal humidity at 1 pm in January is ~75%, while same time in July it is ~47%.



¹Time is local standard time.

PORLAND: Average Hourly Dew Point Temperature Curves, by Month¹



¹Time is local standard time. Shown also is the standard deviation for that month's data. .

There is a diurnal trend of a rising dew point temperature during the morning, then a slow gradual fall during the afternoon into evening. Interestingly, this trend is interrupted during the summer months, with a jump during the evening. This jump coincides with an increase of northwesterly winds as onshore flow up the Columbia River brings marine air from the coast into the Portland/Vancouver area.

CLOUD and SUNSHINE Data at Portland Airport

Average, Least (-) and Most (+) Number of Days per Month
(based on 1951-2017 observations)

	Clear Skies (clouds covering 0-30% of sky)			Partly Cloudy Skies (clouds cover 40-70% of sky)				Cloudy Skies (clouds cover 80-100% of sky)								
	avg	-	Year	+	Year	avg	-	Year	+	Year	avg	-	Year	+	Year	
JAN	3	0	2010 ¹	10	1977	4	0	1952	12	2011 ¹	24	13	1985	28	2006	
FEB	3	0	1999 ¹	11	2005 ¹	4	0	1961	10	1981	21	13	1993 ¹	26	1999	
MAR	3	0	2011 ¹	12	1969	5	1	1963 ¹	16	1992	23	8	1992	25	2006	
APR	4	0	2012 ¹	13	2004	6	2	1970 ¹	13	2012	20	7	2004	22	2005	
MAY	5	0	2000 ¹	14	2001 ¹	7	1	1960	13	1967	19	10	1963	19	1960	
JUN	6	0	2012 ¹	16	2015	8	3	1954	15	1977	16	4	2015	20	1999	
JUL	13	1	1963	23	1960	9	3	1973	16	2011	9	0	2003	11	1973	
AUG	11	2	1954	19	2016 ¹	10	4	1992	15	1970	10	0	2012	14	2013	
SEP	10	0	1978	19	1989 ¹	8	3	1977	14	1983	12	3	2012	15	2013	
OCT	5	0	1984	16	1991	8	1	1975	14	1995 ¹	18	8	1987	24	2016	
NOV	3	0	2017 ¹	10	1956	4	0	1965	9	1976 ¹	23	12	1991	28	1998	
DEC	2	0	2012 ¹	9	1985	3	0	1966 ¹	13	1975	26	11	1975 ¹	27	2015 ¹	
	Clear				Partly Cloudy				Cloudy							
Year ²	68	46	2011	109	1996	74	47	1953	98	1985	223	125	2009	263	1953	

¹Multiple occurrences with the same number, with the year of most recent occurrence listed.

²Annual Averages is calculated using the entire year of data, and is not the same as adding the totals from each month.

Monthly and Annual Sunshine Received at Portland Airport *(as recorded, 1951-1995 data)*

	Percent of Sunshine Received				Total Minutes of Sunshine							
	avg	Least	Year	Most	Year	Possible	Average	Least	Year	Most	Year	
JAN	28%	7 %	1982	56 %	1980	17,060	4,800	1,225	1982	9,498	1980	
FEB	38	7	1961	63	1987	17,600	6,688	1,260	1961	11,069	1980	
MAR	48	20	1957	79	1978	22,000	10,560	4,500	1957	17,455	1978	
APR	52	22	1963	76	1977	24,430	12,704	5,460	1963	18,517	1977	
MAY	57	27	1962	82	1979	27,750	15,818	7,440	1962	22,762	1979	
JUN	56	27	1953	88	1987	28,115	15,744	7,860	1953	24,680	1987	
JUL	69	34	1993	88	1984	28,400	19,596	9,632	1993	25,095	1984	
AUG	66	40	1954	89	1984	26,300	17,358	10,440	1954	23,327	1984	
SEP	62	36	1959	81	1975	22,500	13,950	8,100	1959	18,180	1975	
OCT	44	14	1956	69	1978	20,300	8,932	2,820	1956	14,083	1978	
NOV	28	11	1971	54	1961	17,100	4,788	1,860	1971	9,240	1961	
DEC	23	8	1981	60	1985	16,400	3,772	1,292	1981	9,826	1985	
Year	48%	36%	1955	64%	1987	267,955	128,618	95,760	1955	172,351	1987	

Cloud Cover Frequency

These are Portland's month's hourly observations (1948-1995), categorized into groups of coverage. For a specified hour, cloud cover coverage is either clear, scattered or broken clouds, or overcast. For example, at 7 am in March, 6.3% of the time it was clear skies, but 65.9% of the time, skies were overcast.

CLR	Clear skies	<i>Clear</i>	Less than 10% of sky is covered by clouds
SCT	Scattered clouds	<i>Partly Cloudy</i>	10% to 60% of sky is covered by clouds
BKN	Broken clouds	<i>Mostly Cloudy</i>	60% to 90% of sky is covered by clouds
OVC	Overcast	<i>Cloudy</i>	More than 90% of sky is covered by clouds

Hour	CLR	SCT	BKN	OVC	CLR	SCT	BKN	OVC	CLR	SCT	BKN	OVC
	January				February				March			
1 am	13.3	8.0	12.1	66.6	16.6	10.9	13.9	58.7	19.8	9.7	15.9	54.5
4 am	11.4	8.2	10.8	69.6	13.0	7.8	12.4	66.7	15.2	9.5	14.0	61.3
7 am	9.1	7.9	12.6	70.4	7.7	9.4	18.2	64.7	6.3	10.0	17.8	65.9
10 am	7.1	8.2	14.3	70.4	73	8.0	16.7	68.0	6.7	10.8	18.5	63.9
1 pm	7.3	9.0	16.7	67.1	7.8	10.5	18.6	63.0	8.4	11.9	23.2	56.6
4 pm	7.5	9.7	14.2	68.6	8.0	11.7	18.7	61.7	6.8	13.8	25.1	54.3
7 pm	12.4	9.5	11.8	66.3	11.5	14.5	16.0	58.1	9.4	15.0	20.9	54.7
10 pm	15.7	8.5	11.3	64.5	16.1	12.3	14.2	57.3	16.4	15.9	17.4	50.2
All Day	10.5	8.6	13.0	67.9	11.0	10.6	16.1	62.3	11.1	12.1	19.1	57.7
	April				May				June			
1 am	19.6	13.2	18.6	48.7	22.9	16.3	17.0	43.8	28.8	14.8	16.3	40.1
4 am	16.7	13.0	15.5	54.9	15.8	14.6	18.4	51.2	18.2	15.5	16.7	49.7
7 am	8.2	9.9	19.3	62.6	9.3	13.0	19.1	58.5	11.6	14.9	17.2	56.4
10 am	8.0	10.7	23.5	57.8	10.4	13.9	22.0	53.7	13.9	14.4	22.2	49.5
1 pm	8.6	14.2	25.2	52.1	11.9	17.5	26.0	44.6	16.7	17.4	25.7	40.1
4 pm	8.7	14.0	25.7	51.6	11.7	18.6	27.6	42.1	17.6	19.2	26.4	36.8
7 pm	8.9	16.7	25.4	49.0	11.9	20.9	27.1	40.0	19.7	20.8	25.6	33.9
10 pm	18.9	17.3	18.9	45.0	21.8	18.9	20.2	39.1	28.9	18.5	18.2	34.5
All Day	12.2	13.6	21.5	52.7	14.5	16.7	22.2	46.6	19.4	16.9	21.0	42.6
	July				August				September			
1 am	49.9	12.8	13.3	24.0	46.9	15.1	12.8	25.3	44.8	14.0	12.4	28.7
4 am	34.8	15.6	14.4	35.2	36.2	13.7	13.5	36.6	34.8	14.3	13.1	37.8
7 am	23.9	15.0	14.4	46.6	17.8	16.7	16.1	46.3	19.2	15.2	17.4	48.2
10 am	30.6	16.4	16.6	36.5	25.2	17.6	18.7	38.5	26.0	17.7	18.9	37.4
1 pm	37.4	19.6	18.4	24.6	32.8	20.9	19.8	26.6	31.0	21.1	19.8	28.0
4 pm	40.2	20.6	19.1	20.1	34.5	24.7	18.8	22.0	32.6	19.2	20.9	27.3
7 pm	43.5	22.0	17.9	16.6	37.5	23.9	18.9	19.8	35.9	21.7	16.5	25.9
10 pm	51.8	17.3	13.3	17.7	49.2	16.6	13.7	20.5	46.6	15.1	13.4	24.9
All Day	39.0	17.4	15.9	27.7	35.0	18.7	16.5	29.8	33.9	17.3	16.6	32.3
	October				November				December			
1 am	26.5	15.9	13.6	44.0	12.4	10.1	13.8	63.7	9.7	8.6	12.3	69.5
4 am	17.8	12.7	15.8	53.7	9.2	8.9	14.5	67.4	9.1	7.5	11.9	71.5
7 am	8.0	11.0	18.2	62.8	5.0	8.9	16.0	70.0	6.2	7.6	12.2	74.0
10 am	12.4	13.3	17.2	57.0	6.2	8.7	17.2	67.9	4.7	6.7	15.1	73.6
1 pm	18.4	16.9	21.6	43.1	7.2	11.4	19.4	61.9	5.3	9.3	15.8	69.6
4 pm	17.7	16.8	23.1	42.4	8.2	12.2	20.1	59.4	5.5	9.8	17.0	67.7
7 pm	24.8	17.7	16.1	41.4	12.6	11.6	16.9	58.9	9.3	9.8	14.0	66.9
10 pm	28.4	17.4	15.6	38.6	14.6	10.2	14.7	60.5	10.4	10.2	13.0	66.4
All Day	19.3	15.2	17.6	47.9	9.4	10.3	16.6	63.7	7.5	8.7	13.9	69.9

Rose Festival: Grand Floral Parade Weather

The annual Grand Floral Rose Parade is held in early June, a time of transition from spring to early summer. Weather can be fickle, with warm sunny days to cool damp days. The 1980 Parade was troublesome for the Rose Festival, as city streets had to be washed of the ash from the 18 May eruption of Mount St. Helens.

Averages:	Temperature at start of the parade....	61° F
	High Temperature for the afternoon....	72° F
	Parade Time Wind...	NW 2-5 mph
	Parade Time Relative Humidity...	60-65%
	Chance of getting at least 0.01 inch or rain....	36 %

Warmest Parade Day... 1963 & 2003, with afternoon high temperature of 93°

Warmest Parade Start... 15 June 1963, with 75° at parade start

Coolest Parade Day... 12 June 1943, with afternoon high temperature of 55°

Coolest Parade Start... 10 June 2000, with 52° at parade start

Wettest Parade... 12 June 1982, when 0.50 inch of rain fell on the parade

Parade Date		Temperature		Rain (inch)	Parade Date	Temperature		Rain (inch)	
		High	Low			High	Low		
1904	<i>10 June</i>	80	45	0.04	1931	<i>12 June</i>	80	53	Trace
1907					1932	<i>17 June</i>	75	46	0
1908	<i>4 June</i>	64	49	0	1933	<i>9 June</i>	57	46	0.31
1909	<i>8 June</i>	82	51	0	1934	<i>14 June</i>	75	53	0
1910	<i>9 June</i>	74	48	0	1935	<i>7 June</i>	72	58	0
1911	<i>8 June</i>	63	47	0	1936	<i>12 June</i>	78	58	0
1912	<i>13 June</i>	66	51	0.12	1937	<i>11 June</i>	70	55	0.40
1913	<i>12 June</i>	73	56	0.09	1938	<i>10 June</i>	82	48	0
1914	<i>11 June</i>	77	55	0	1939	<i>9 June</i>	71	55	Trace
1915	<i>10 June</i>	62	48	0.25	1940	<i>7 June</i>	68	54	0.03
1916	<i>8 June</i>	66	50	0	1941	<i>13 June</i>	69	55	0
1917					1942	No Parade, due to WWII and security.			
1918	No Parade, due to World War I				1943¹	<i>12 June</i>	55	52	0.29
1919	<i>12 June</i>	72	49	0.13	1944¹	<i>10 June</i>	88	59	0
1920	<i>24 June</i>	59	45	0.11	1945¹	<i>9 June</i>	68	53	Trace
1921					1946	<i>7 June</i>	70	51	0.17
1922					1947	<i>13 June</i>	69	54	Trace
1923	<i>13 June</i>	58	49	0.03	1948	<i>12 June</i>	66	56	0.19
1924	<i>12 June</i>	72	56	0	1949	<i>10 June</i>	71	58	0
1925	<i>18 June</i>	74	53	0	1950	<i>9 June</i>	77	53	0.57
1926	No Parade, due to rebuilding of Multnomah Stadium (parade staging area)				1951	<i>8 June</i>	72	49	0
1927	<i>16 June</i>	70	54	0.08	1952	<i>12 June</i>	69	46	0.04
1928					1953	<i>12 June</i>	61	52	0.38
1929					1954	<i>12 June</i>	65	54	0.11
1930	<i>13 June</i>	66	50	0	<i>¹Estimated data of the parade.</i>				

Rose Festival: Grand Floral Parade Weather

In 1955, National Weather Service records allowed for more detail of weather data during the parade time, not just for the day. Following are the expanded weather for the parade time (10 am to noon), except for rainfall which is the day's total. Also, the temperatures listed are parade start (PS), afternoon maximum (HI), and the morning minimum (LO).

Parade Date	Parade Time Sky Condition/Weather	Temperatures			Parade Avg RH %	Parade Avg. Wind (mph)	Rainfall (day)	
		P.S.	HI	LO				
1955	11 June	Mostly Cloudy	59	77	52	66	NW 8	0
1956	9 June	Cloudy	63	77	56	66	E 4 to 6	0.12
1957	15 June	Cloudy	58	67	50	75	NW 3	Trace
1958	14 June	Cloudy	63	75	58	70	NW 8 to 10	0
1959	13 June	Partly Sunny	61	71	50	67	W 5 to 6	0
1960	11 June	Cloudy	61	75	52	63	NW 7 to 9	0
1961	10 June	Sunny	58	73	50	60	W 6	0.06
1962	16 June	Mostly cloudy	60	70	51	56	NW 6 to 7	0
1963	15 June	Mostly sunny	75	93	65	48	NW 3 to 5	0
1964	13 June	Cloudy. Light rain.	62	72	55	65	NW 6	0.02
1965	12 June	Partly cloudy	57	68	45	55	W 4 to 6	0
1966	11 June	Cloudy. Light rain.	59	67	52	77	S 7 to 10	0.03
1967	10 June	Cloudy.	56	66	52	80	SE 10 to 15	0
1968	8 June	Cloudy	57	61	54	74	NW 8 to 10	0
1969	14 June	Sunny	66	82	61	63	W 8 to 11	0
1970	13 June	Cloudy. Sprinkles.	64	69	58	58	Calm	0
1971	12 June	Cloudy	55	64	51	61	NW 2 to 3	0
1972	10 June	Sunny	60	70	48	58	N 1 to 3	0
1973	9 June	Mostly cloudy	56	65	50	45	N 5	0
1974	15 June	Cloudy	66	71	57	56	NW 4 to 6	0
1975	14 June	Partly sunny	67	84	55	55	N 4 to 6	0
1976	12 June	Cloudy	59	63	43	57	NW 6 to 8	0
1977	11 June	Cloudy	58	64	51	70	NE 4 to 6	Trace
1978	10 June	Cloudy. Rain.	58	63	51	82	SW 10 to 13	0.10
1979	9 June	Sunny	74	85	53	50	NW 6 to 9	0
1980	12 June	Cloudy. Light rain.	60	62	54	75	SW 4 to 7	0.02
1981	13 June	Mostly cloudy	55	66	48	72	NW 10	0.08
1982	12 June	Cloudy. Rain.	55	60	52	90	S 3 to 5	0.40
1983	11 June	Cloudy. Rain.	57	65	50	88	S 3 to 6	0.18
1984	9 June	Cloudy. Light rain.	56	65	49	71	NW 3 to 5	0.13
1985	8 June	Partly sunny	59	69	46	65	NW 4 to 6	0
1986	7 June	Cloudy	60	67	55	75	NW 3 to 6	Trace
1987	6 June	Sunny	61	74	50	64	NW 3 to 7	0
1988	11 June	Sunny	59	72	48	55	W 5 to 6	0
1989	10 June	Sunny	61	77	49	65	NW 2 to 4	0
1990	9 June	Cloudy. Light rain.	57	64	51	80	NW 5 to 8	0.44
1991	8 June	Partly cloudy	65	71	54	65	NW 3 to 6	0
1992	6 June	Partly cloudy	66	80	52	55	NW 4 to 8	0

Rose Festival: Grand Floral Parade Weather

Following are the expanded weather for the parade time (10 am to noon), except for rainfall which is the day's total. Also, the temperatures listed are parade start (PS), afternoon maximum (HI), and the morning minimum (LO).

Parade Date		Parade Time Sky Condition/Weather	Temperatures			Parade Avg RH %	Parade Avg Wind (mph)	Rainfall (day)
P.S.	HI	LO						
1993	12 June	Partly cloudy	59	69	51	65	NW 3 to 4	0
1994	11 June	Partly cloudy	63	78	56	61	W 5 to 7	0
1995	10 June	Cloudy. Light rain.	59	65	56	72	S 7 to 10	0.21
1996	8 June	Partly cloudy	62	73	53	55	W 4 to 7	0
1997	7 June	Mostly cloudy	60	67	56	52	NW 6 to 10	0
1998	6 June	Mostly sunny	64	81	55	55	NW 3 to 5	0
1999	12 June	Mostly sunny	71	88	60	48	W 8 to 10	0
2000	10 June	Cloudy. Light rain.	52	58	46	82	S 9 to 15	0.16
2001	9 June	Mostly cloudy	60	66	55	72	W 8 to 12	0.04
2002	8 June	Cloudy. Sprinkles.	53	61	45	65	W 4 to 6	0.18
2003	7 June	Sunny	74	93	63	54	N 1 to 2	0
2004	12 June	Mostly cloudy	59	67	55	60	NE 2 to 4	0
2005	11 June	Cloudy. Light rain.	55	61	53	80	W 8 to 11	0.15
2006	10 June	Partly sunny.	60	72	53	55	NW 5 to 8	0
2007	9 June	Cloudy. Light rain.	56	61	54	82	S 5 to 9	0.37
2008	7 June	Mostly cloudy. Showers.	53	58	48	68	SW 2 to 6	0.06
2009	6 June	Mostly cloudy	58	64	54	69	SW 2 to 5	0
2010	12 June	Partly sunny	61	81	50	67	W 3 to 5	0
2011	11 June	Mostly cloudy	58	69	54	70	NW 2 to 5	0
2012	9 June	Mostly cloudy Light rain.	54	64	46	75	NW 3 to 6	0.09
2013	8 June	Sunny	61	78	51	50	NW 3 to 8	0
2014	7 June	Partly Cloudy	64	78	54	60	NW 1 to 4	0
2015	6 June	Sunny	73	88	61	45	NW 6 to 9	0
2016	11 June	Partly Cloudy	62	67	53	55	NW 2 to 5	Trace
2017	10 June	Cloudy. Occasional Drizzle	54	62	50	78	S 3 to 6	0.06
2018	9 June	Mostly Cloudy. Showers.	59	62	51	75	W 4 to 6	0.20
2019	8 June	Mostly Cloudy.	59	69	52	55	E 1 to 2	Trace
2020	6 June							
2021								
2022								
2023								
2024								
2025								
2026								
2027								
2028								
2029								
2030								